## WE CLAIM:

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1	1.	A wireless communications	system for communicating with a computer
2	infrastructure	of an organization comprising	<b>;</b> :

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a portable unit including a user/interface;

a computer infrastructure interface;

a voice recognition unit associated with said computer infrastructure interface, said voice recognition unit permitting a user of the portable unit to communicate with the computer infrastructure by voice communication; and

a wireless communications link for connecting said user interface and said computer infrastructure interface, said wireless communications link covering an area designated by the organization for permitting a user of the portable unit to access said computer infrastructure when the portable unit is within the designated area.

- 2. The wireless communications system according to Claim 1, wherein said user interface comprises a two-way voice interface and wherein a voice recognition unit and a voice generation unit are associated with said computer infrastructure interface to permit two-way voice communication between said user and said computer infrastructure.
- 3. The wireless communications system according to Claim 1, wherein said wireless communications link comprises a cellular communications system.

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- 1 4. The wireless communications system according to Claim 3, wherein said 2 cellular communications system comprises a first transmit/receive unit in said portable unit, a 3 second transmit/receive unit associated with said computer infrastructure and a cellular base 4 station for handling transmission of signals between said first and second transmit/receive units.
  - 5. The wireless communications system according to Claim 3, wherein said cellular communications system operates at a bandwidth of less than 100kbits/sec.
  - 6. The wireless communications system according to Claim 1, wherein said organization comprises a university, and wherein said designated area comprises a campus of the university.
- 1 7. The wireless communications system according to Claim 1, wherein said 2 organization comprises a company, and wherein said designated area comprises facilities of 3 said company.
- 1 8. The wireless communications system according to Claim 1, wherein said 2 system further includes an authentication capability for authenticating a user of said portable 3 unit for access to secured facilities of said organization.
  - 9. The wireless communications system according to Claim 8, wherein said authentication capability includes an authentication device in said portable unit.

The wireless communications system according to Claim 8, wherein said

The wireless communications system according to Claim 1, wherein said

system includes at least one remote access node for creating at least one extended designated

area of said designated area for permitting a user of the portable unit to access the computer

infrastructure when the portable unit is within the at least one extended designated area.

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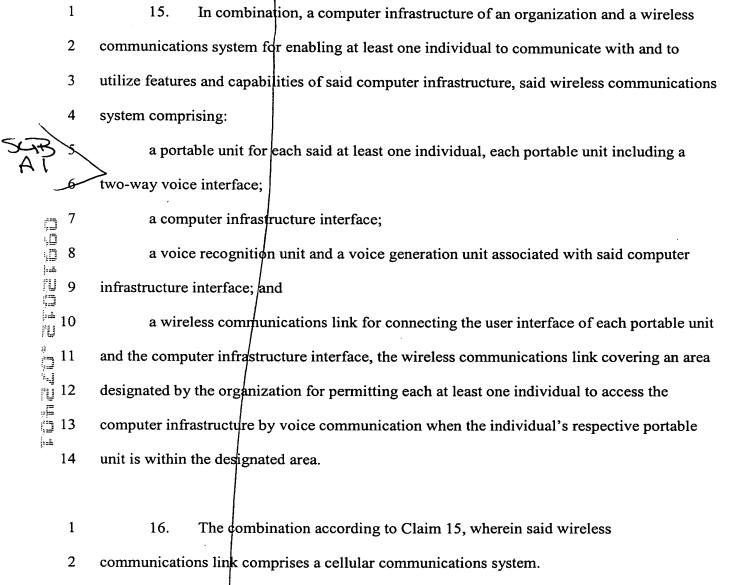
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1	17. The combination according to Claim 16, wherein said cellular
2	communications system includes a first transmit/receive unit in each said portable unit, a
3	second transmit/receive unit associated with said computer infrastructure, and a cellular base
4	station for handling the transmission of signals between each said first transmit/receive units
5	and said second transmit/receive unit.
8 V	18. The combination according to Claim 15, wherein said each said portable unit
2	is configured to be worn by the user.
1	19. The combination according to Claim 15, wherein said wireless
2	communications system further includes an authentication capability for authenticating
3	access to secured facilities in said designated area.
1	20. The combination according to Claim 15, wherein said features and capabilities
2	include at least one of voice communication, directory look-up, calendaring, facility
3	reservation and E-mail send and receive.
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